SEQUENCE LISTING

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Baribault, Helene
Zhang, Qin

<120> TRANSGENIC MICE CONTAINING ALPHA ENDOSULFINE GENE DISRUPTIONS

<130> R-948

<140> UNASSIGNED
<141> HEREWITH

<150> US 60/256,195
<151> 2000-12-13

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 366
<212> DNA
<213> Mus musculus

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tacccaagcc taggacaaaa gcctggaggc tccgacttcc tcatgaagag actccagaaa 180
gggcaaaagt actttgactc aggagactac aacatggcca aagccaagat gaagaacaag 240
cagctgccaa gtgcaggagc agacaagaac ctggtgaccg gtgaccacat ccccacccca 300
caggatctgc cccagagaaa gtcctcgctc gtcaccagca agcttgcggg tggccaagtt 360
gaatga 366

<210> 2
<211> 121
<212> PRT
<213> Mus musculus

<400> 2
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Glu Lys Gln Asp Thr Gln Glu Lys Glu Gly Ile Leu Pro Glu Lys Ala
20 25 30
Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
35 40 45
Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
50 55 60
Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
65 70 75 80
Gln Leu Pro Ser Ala Gly Ala Asp Lys Asn Leu Val Thr Gly Asp His
85 90 95
Ile Pro Thr Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Thr
100 105 110
Ser Lys Leu Ala Gly Gly Gln Val Glu
115 120

<210> 3
<211> 121
<212> PRT
<213> Homo sapiens

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            20   25   30
Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
        35   40   45
Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
    50   55   60
Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
65   70   75   80
Gln Leu Pro Ser Ala Gly Pro Asp Lys Asn Leu Val Thr Gly Asp His
                85   90   95
Ile Pro Thr Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Thr
            100   105   110
Ser Lys Leu Ala Gly Gly Gln Val Glu
        115   120

<210> 4
<211> 117
<212> PRT
<213> Homo sapiens

<400> 4
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            20   25   30
Glu Glu Ala Lys Leu Lys Ala Lys Tyr Pro Ser Leu Gly Gln Lys Pro
        35   40   45
Gly Gly Ser Asp Phe Leu Met Lys Arg Leu Gln Lys Gly Gln Lys Tyr
    50   55   60
Phe Asp Ser Gly Asp Tyr Asn Met Ala Lys Ala Lys Met Lys Asn Lys
65   70   75   80
Gln Leu Pro Ser Ala Gly Pro Asp Lys Asn Leu Val Thr Gly Asp His
                85   90   95
Ile Pro Thr Pro Gln Asp Leu Pro Gln Arg Lys Ser Ser Leu Val Thr
            100   105   110
Ser Lys Leu Ala Gly
        115

<210> 5
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> RACE sequence

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gccgtagcat tagctcaggt tgt   83

<210> 6

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<212> DNA
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<220>
<223> Targeting Vector

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tgtggctcac tctctttccc ggttggtgtt ctagcttgcc tgtcgctcta aagaatccgc 120
ccacctccgg ccaacgctta ttggtgtgtc gttacatcat tgccccgtca agcccactct 180
cattggctct cataggaggg 200

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tcccggaccc tgcattacac agtcccggtt ctgccatgtc ccagaaacaa gaagaagaaa 180
accctgcgga ggagaccggc 200